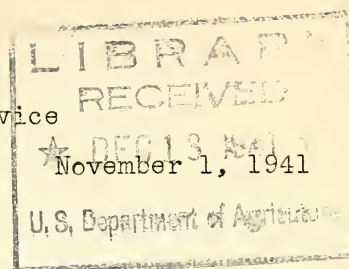


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U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION



Technical Note 44

VOLUME TABLE ^{1/}
for
VIRGINIA PINE
(*Pinus virginiana*)
Pike and Hocking Counties, Ohio

Merchantable Stem to a Variable Top Diameter					INTERNATIONAL Rule ($\frac{1}{4}$ " Kerf)	
Diameter breast high outside bark (inches)	Gross volume of stem in 12.3-foot logs to merchantable height				Top d.i.b. at merchantable limit	Basis in trees
	1	2	3	4		
	log	logs	logs	logs		
	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Inchos	Number
9	19	34	47	60	6.9	} 56
10	24	43	59	75	7.1	
11	30	52	73	92	7.3	
12	36	63	88	111	7.7	} 44
13	42	74	104	132	8.0	
14	50	87	122	154	8.5	
15		101	141	179	9.0	} 3
16		116	162	205	9.6	
17			184	233	10.2	
18			208	264	10.9	} 3
Basis in trees-- number	23	54	30	4	--	111

1/ Trees measured by J. W. Girard in 2-inch diameter classes and in 10- to 16-foot log lengths, and scaled as such. Table prepared in 1941 by the equation method. Coefficient of multiple correlation (R) is .978. Band of the standard error of estimate, 89.7 to 111.4 percent. Block shows limits of basic data. Statistical assistance furnished by personnel of WPA Official Project No. 65-2-42-296.

The total estimated gross volume of single Virginia pine trees or stands should be corrected for cull (including defect, sweep, crook, shake, etc.) by a percentage reduction. This percentage should be determined locally through observing the cull elements and through experience of sawmill operators as regards losses from rot, shake, etc., in utilizing this species.

R. E. Emmor

